

Founded as
the Official News Organ
of Technology

The Tech

Established 1881

A Record of
Continuous News Service
for 37 Years

Vol. 38 No. 103

CAMBRIDGE, MASS., WEDNESDAY, MAR. 26, 1919

Price Three Cents

NEW BONUS PROPOSED FOR MEN IN SERVICE

Bill Favorably Reported To Provide For Payment of \$100 To Men Honorably Discharged in Massachusetts

OFFICERS NOT AFFECTED

The legislative committee on reconstruction has favorably reported in the House a bill through which, if it becomes law, every Massachusetts soldier, sailor and marine who can show an honorable discharge from the service will be paid a bonus of \$100 by the state.

They must make application for it within one year after their discharge from the army, navy, or marine corps.

The bill reported is the reconstruction committee's choice from among a large number of propositions along similar lines.

Several measures considered aimed at the restoration of the \$10-a-month payment by the state to each service man, which was stopped Jan. 15, 1918. To continue this payment would cost the commonwealth about \$20,000,000 at a conservative estimate.

The Spinney bill does not apply to officers; its beneficiaries would be privates and non-commissioned officers, except warrant officers in the navy.

The necessary funds for financing the proposition will, according to the plan proposed in the bill, be obtained by the issuance by the state of 10-year bonds to an amount not exceeding \$20,000,000. This will be compensated for by a tax of \$2 a year for 10 years on every male inhabitant of Massachusetts, whether citizen or alien. It is estimated that this would raise a sum sufficient to pay \$100 to each of our 200,000 soldiers, sailors and marines.

PLANS FOR THE WIRELESS STATION NEARLY COMPLETE

The Wireless society is gradually completing its plans for the proposed radio station here at the Institute. The management reports that they have a room promised them at the base of the big power house chimney and also have another location in view. The members of the society are only waiting for peace to be declared to set up their aeriels and commence operation, for, according to the present law no aerial can be erected up until the peace treaty is signed.

After the vacation Professor Pierce of Harvard will address a joint meeting of the Electrical Engineering and Wireless societies. This smoker will be unique in that special refreshments are to be served instead of the usual cider and doughnuts. What these will consist of, the management keeps a closely guarded secret, but they say it will be something out of the ordinary. Rear Admiral S. S. Robinson who is famous in the wireless world for the text books which he has written and in the realm of diplomacy for being a member of the Inter Allied Naval Armistice commission, and who is also to be put in command of the Boston navy yard is looked upon as a prospective speaker. Several members of the society are going to take their examinations for commercial license after a special exam course which the members will take during vacation week. This course will consist of theory.

GRIND COMPETITION FOR TECHNIQUE CLOSES

All fellows who hope to see the results of their work in the Grinds department of the Technique have only one week in which to hand in their efforts. The contest closes April 5 and until then contributions will be received by Jack Coyle '20, Grinds editor at the Technique office on the third floor of the Walker Memorial.

FOREIGN STUDENTS INVITED TO JOIN COSMOPOLITAN CLUB

H. A. Miner, secretary of the Cosmopolitan Club, has issued the following notice for the benefit of foreigners at the Institute:

All students from other countries are rightfully entitled and most cordially urged to join the Cosmopolitan Club. In other words all foreign students here at the Institute, by virtue of their being such, are eligible for membership in the club. They become active members upon paying the dues of two dollars.

We urge all of you, who wish to join, to do so as soon as possible. Very soon now a picture of the members will be taken of the Technique, and the names of the members will also be put in the Technique. T. F. Wei '20, the treasurer, will be glad to receive the dues of any one wishing to join.

Finally, everyone, as well as the members are reminded, that on Friday night April the 11th another dance will be given by the Club in the Walker Memorial. Some very special entertainment is also being planned for the occasion. Everybody is cordially invited to attend this dance. Tickets will be on sale immediately after the vacation.

PARIS BUREAU DINES

Many Promotions of Technology Alumni Announced

PARIS BUREAU REPORTS DOINGS

There was a most successful Technology dinner held on February 1, at the American University, with 27 men present. The following men were present: Harold P. Gray '16, Warren R. Kelheuer '03, Vernon G. Katzenstein '13, Walter P. Henderson '91, John W. Damon '18, Richard H. Ranger '11, Caruthers A. Coleman '16, Charles W. Eaton '85, Wm. H. Chadbourne '86, Leonard P. Wood '01, Joseph Warren Barker '16, Aaron R. Scharff, K. M. Cunningham '19, Juan J. Urquidí '06, Joseph Desloge '12, Walter F. O'Brien '12, S. W. Selfridge '13, Henry Gordon Hawes, Jr., '10, Louis E. Robbe '03 Allen Danforth Pettee '16, Granville B. Smith '18, Paul H. Buxton '16, Thomas S. McLaughlin '16, John H. House, Jr. '98 Maurice R. Scharff '09, George C. Gibbs '00.

At this dinner a little music was supplied by some entertainers from the Y. M. C. A. The piano was moved in the dining room, and music was furnished by a young sailor and an enlisted man.

(Continued on page 2)

N. E. COLLEGES WILL HOLD TWO-DAY MEET MAY 9 AND 10

With representatives of 12 colleges present, the newly-formed Eastern Intercollegiate Athletic Association met Saturday in Springfield and adopted a constitution. E. Faber, director of athletics at Rochester University, was elected treasurer of the organization, and plans were laid for the first annual track and field meet to be held May 9 and 10 at Pratt Field, Springfield. It was decided to drop the hammer throw from the list on account of the danger involved to contestants and spectators. The javelin was suggested as a substitute, but this was rejected as even more dangerous.

In regard to the eligibility rules, it was decided that members of the Student's Army Training Corps should be permitted to enter the meet as well as students entering college before Jan. 8. Men in active service and those engaged in any recognized war work would also be eligible if in college by April 1.

The association voted to change the point system to make the count 5, 3, 2 and 1 for the first, second, third and fourth places, respectively.

Colleges represented were Massachusetts Agricultural College, Springfield, Holy Cross, New Hampshire, Worcester Tech, Stevens New York University, Technology, Tufts, Union and Rochester.

Dr. A. R. Rowe, chairman of the Alumni Advisory Council at the Institute, attended the conference and will take up the advisability of joining the association with the Alumni Advisory Council.

FELLOWSHIPS OPEN TO CHEMISTRY STUDENTS

Research in India Rubber May Be Undertaken By Holders of B. S. at Lafayette College and University of Akron

PRINCETON WANTS INSTRUCTORS

The Edward Hart Fellowship of \$500 is open to students holding the Bachelor's degree who desire to do research in problems connected with viscous and plastic flow. Applications must be made before April 1, to Professor Eugene C. Bingham, Lafayette College, Easton, Pennsylvania, and must state in full the qualifications of the applicant.

The applicant must have training equivalent to that required for the Bachelor of Science in chemistry. The recipient of the fellowship is expected to spend the academic year in residence. The work done may be counted toward meeting the requirements for a graduate degree.

The Goodyear Tire and Rubber Company and the Firestone Tire and Rubber Company have established a fellowship of \$300 per year at the Municipal University at Akron for the study of India Rubber. These fellowships are open to graduates of standard colleges under the following conditions: 1, the applicant shall have completed successfully the undergraduate courses in general inorganic chemistry, qualitative and quantitative analysis, and organic chemistry; 2, he shall be recommended by the institution from which he has graduated as a student of excellent ability; 3, he shall accept the appointment with the purpose of entering the employment of the company providing the fellowship, at the end of the year's course; 4, he shall be exempt from the payment of all fees at the Municipal University and shall devote a maximum of twelve hours a week services as instructor or assistant in the Department of Chemistry.

(Continued on page 4)

RADIO-TELEPHONE DISTANCE RECORD HAS BEEN BETTERED

Secretary Daniels recently talked by radio telephone, with Ensign Harry Fagenwater, in a navy flying boat enroute from Washington to Hampton Roads.

Communication was established at a distance of more than 150 miles, by far the longest transmission of radio telephone signals with an airplane in flight ever achieved.

The secretary used the ordinary desk telephone on his desk at the Navy department. Officers in charge of the development of radio signaling, including Rear Admiral Griffin, chief of the Bureau of Steam Engineering, were grouped around the desk.

Secretary Daniels spoke of his pleasure in making a test of the constantly improving navy apparatus and asked the ensign how far away his machine was. After a moment's delay the officer replied that he was then more than 150 miles from Washington and flying at a high altitude.

The officer's voice came very indistinctly toward the end of the conversation as the distance increased. The experts at the department said the 150 miles was practically the extreme range of radio telephonic communication with an aircraft with present equipment and more than double any previous distance covered in a similar test.

A notice from the Registrar's office of the Institute states that no reports of standing are to be mailed to students this period, but will be given out at the beginning of next week. If the work of recording the results of the recent examination is completed this week, reports may be obtained from the Information Office, room 10-100 on Monday, March 31.

SIGNUPS FOR JUNIOR PROM WILL OPEN WITH NEW TERM

The committee in charge of the Junior Prom will start the signup campaign next Monday. The number of tickets to be sold is between three hundred fifty and four hundred. Signups will be taken in the main lobby and in Walker Memorial by members of the committee.

The committee promises the best Prom ever. Favors will be given to each and every one. The exact nature of these favors is to be kept secret. The bids of several orchestras have been received and the peppiest one in Boston will play for this dance fantastic. All conceivable novelties are to make their appearance according to the committee. After the dark and dreary days of the S. A. T. C. and all the privations that go with such hardships, expense will not be considered. The evening of May 30 from 9 in the evening until 4 in the morning bids fair to be the longest one of the year.

The committee in charge consists of the following five Juniors; Akers, Colren, Whitaker, Roman and Gee.

YALE CAPTURES MEET

Technology Freshman Relay Takes Third Place

Yale's varsity aggregation of speedy swimmers took a majority of the first places in the Intercollegiate Swimming Association championships held in the pool of the College of the City of New York Saturday night. In the six events on the program the Blue's water men carried off first in four, second in one, and third in the remaining event.

Edwin Binney Jr.; holder of the Intercollegiate record for the 50-yard swim, made in a dual competition, started the victory ball rolling for the New Haven swimmers when he won by a touch from George Rogers of Columbia. The race was close and hard fought all the way, but Binney's superior form carried him through to victory. Another first place was added to Yale's score in the next event when B. C. Benjamin won from a large field of fancy divers. Competition in the dive was so keen that the judges were not able to announce the results until the very end of the meet.

The relay race for freshman teams proved to be the closest and most interesting race of the evening. Representatives from Yale, Columbia, Pennsylvania and Technology started in this event. In the first two relays Yale and Technology swam neck and neck, the lead alternating from one to the other, with Columbia not far behind. On the third relay, Walter Eberhardt, the young Columbia star, showed remarkable speed, and carried the blue and white from third to first. The anchor men fought desperately, with the crowd cheering encouragement, and Yale, Columbia and Technology finished not more than a foot apart in the order named.

Princeton took first and third in the 100-yard race, while the plunge for distance resulted in a tie for first between E. J. Elderkin of Penn and H. F. Lefurgy, the Rutgers plunger.

50-yard Swim—Won by Edwin Binney Jr.; Yale; George Rogers, Columbia, second; C. W. Seranton, Technology, third. Time—25s.

220-yard Swim—Won by J. M. Hineks, Yale; W. M. Cowles, Amherst, second; H. D. Leopold, Pennsylvania, third. Time—2m. 42s.

(Continued on page 3)

MIDDLE WEST COLLEGES READY FOR BIG MEET

One hundred and thirty-one entries from nine universities have been received at Chicago for the ninth annual indoor track and field meet of the Western Intercollegiate Athletic Association, to be held at Northwestern gymnasium next Saturday night.

The only one of the "big ten" universities without an entry is Ohio state, according to the announcement made recently, and the list was said to be the largest for a number of years. Michigan, because of its victories in last year's indoor and outdoor intercollegiate meet, rules the favorite.

CAMOUFLAGE APPARATUS BROUGHT TO LIGHT

Building One Houses Most Complete Set in Country—Presented to Institute by Navy Department

WAR SECRETS DISCLOSED

On the second floor of building one, there is one of the most complete camouflage sets in this country. The apparatus, drawings, and models came from Washington, New York, and Boston. After the signing of the armistice, Mr. Blume proposed to give the results of the research done by the Navy Department and the Emergency Fleet Corporation to Technology. He sent the camouflage theater, models and other apparatus. Mr. William A. Mackay contributed to this set many models designed in New York. A complete assortment of the results obtained and of instructions is also due to the kindness of Mr. Mackay. The camouflage apparatus would not be reposing in the Technology buildings if Mr. Henry C. Grover had not given orders to that effect.

The idea of camouflaging originated by trying to reduce the visibility of ships at the time when the submarine menace was the greatest. If a ship is invisible under any one condition, under practically all others it can be seen clearly. Another reason why invisibility is not tried for is, because from the periscope of a submarine all ships are in silhouette, and no painting whatsoever can make a silhouette invisible.

The English have tried the dazzle effect. Very little is known in this country about this, except that black, white and pale blue are used.

In the United States there have been three stations working on camouflage, one in Washington under the Navy Department, another in New York, and a third at 44 Bromfield street, the last two under the Emergency Fleet Corporation. The Navy Department and the Emergency Fleet worked in perfect harmony. These stations have experimented with colors trying to disguise the size and the direction that a ship is going. At first it was painted neutral gray, but after several experiments tried on the Great Lakes, it was discovered that complementary colors painted in the cubist style when seen from a distance, give a neutral gray effect. This method was adopted.

In this country, especially in Boston, the Emergency Fleet Corporation have worked on the theory of painting ships with spots out of perspective so as to make them seem to be going in one direction when in reality they are going in another. As a submarine can go only eight knots an hour under water, the delay this error necessitates is disastrous to the cause of the submarine.

The success of camouflaging is not definitely known. The English have sent out their submarines to test their own camouflaged vessels, but have not published the results. From the Germans, no knowledge is available, and would not be credited if it was.

Professor Peabody invites anyone interested to visit the camouflage room. The visit must be made under the personal supervision of Professor Peabody, so only one or two are asked to come at once.

RAILWAYS ARE READY TO READJUST CLOCKS

The American railways are now ready for the semi-annual adjustment of watches and clocks to meet the provisions of the daylight saving law. A regular schedule for turning the time pieces forward or backward, as the date prescribes, has been arranged.

The Tech

Established 1881

Published twice a week throughout the year by the students of the
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Entered as second-class matter, September 16, 1911, at the Post Office at Boston, Mass., under the act of Congress of March 3, 1879. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized on July 19, 1918.

MANAGING BOARD

Homer V. Howes '20
Count B. Capps '20
Raymond A. St. Laurent '21
Scott H. Wells '20

General Manager
Editor
Advertising Manager
Circulation Manager

EDITORIAL BOARD

H. F. Hedberg, '20
J. B. Ford, '21

NEWS DEPARTMENT

Acting Managing Editors
C. A. Clarke '21
M. L. R. Kurth, '21

Night Editors

F. W. Adams, '21
R. H. Smithwick, '21
E. A. Ash, '22
H. D. Folinsbee, Jr., '22, Ass't.
H. S. Gayley, '22, Ass't.

Photographic Department

P. E. Guckes, '21, Editor
L. J. Powers, Jr., '22, Ass't.

Sporting Department

J. H. Coyle, '20, Editor
E. N. May, '22

Military Editor

E. R. Haigh, '21

News Board

J. O. Power, '22
R. C. Geckler, '22
E. H. Koehler, '22
J. Musnitsky, '20

ADVERTISING DEPARTMENT

T. Wilson Adler, '22
Edwin J. Allen, '22

CIRCULATION DEPARTMENT

Karl D. Bean, '20
Richard B. Oakes, '22
James Remsen, '22

Distribution

W. G. Thompson, '22
Fred J. Burt, '22

Subscription \$1.50 for 53 issues, in advance. Single copies three cents. Subscriptions within the Boston Postal District or outside the United States must be accompanied by postage at the rate of one cent a copy. Issues mailed to all other points without extra charge.

Although communications may be published unsigned if so requested, the name of the writer must in every case be submitted to the editor. THE TECH assumes no responsibility, however, for the facts as stated nor for the opinions expressed.

Copy for Wednesday's issue of THE TECH must be in the hands of the night editor not later than Tuesday at noon, and for Saturday's issue not later than Friday at noon.

IN CHARGE THIS ISSUE

F. W. Adams '21 Night Editor

WEDNESDAY, MARCH 26, 1919

WHAT'S THE MATTER?

THE well calculated disdain of some Technology students for anything not intimately connected with integrals or stresses was shown in the recent balloting for the Technique 1921 Electoral Committee. The election of this committee, which should be one of the biggest things in the life of the Sophomore class, was decided by the votes of about one-fourth of the class.

It is to be regretted that a class which showed so much interest in a flag-pole fight, a thing which could bring nothing but discredit upon the class, should show so little interest in selecting the men who will be more or less responsible for the book by which the whole class, to a great extent, will be judged.

It may not be altogether the fault of the class as a whole, however, that such a small ballot was cast, as it seems that some members of the class did not even receive a ballot. This should be investigated by some active members of the class and if it is found that any great percentage of men did not receive ballots, a clear-cut explanation should be demanded from those responsible.

NOW that we have a few days during which we do not have to devote our time to studying the "ins and outs" of engineering, it would be well worth our while if would try to develop our minds along other lines by the reading of some carefully chosen books.

Such a one is "Forty Years of It" by Brand Whitlock. "It" being mainly the story of the Reform Movement in the author's home city, Toledo.

It is more than a dry and concise history, it is the life story of a fighter, a man who glorified in battle. The style is peculiar, dreamy passages giving way suddenly to the swift tale of an election fight, and then again changing to remarkable descriptions, all with a most vivid reality. If you like real books read this one, you won't regret the time you spend on it.

PHILADELPHIA ALUMNI TO HOLD ANNUAL MEETING

Mr. Charles A. Stinson, president of the Rotary Club of Philadelphia and vice-president of Gatchell and Manning will address the Institute Alumni at the annual meeting of the Technology Club of Philadelphia, on Wednesday, April 2. At 6.30 the club will participate in an informal dinner followed by a business meeting at 8.15. The election for the coming year and discussion of plans for a meeting to be held May 7 and for Field Day June 7 will be taken up. The remainder of the

evening will be devoted to Mr. Stinson's illustrated talk on "Photo-Engraving."

Former dinners and meetings have averaged from 30 to 50 men. N. A. White '06, secretary of the club, urges all the men to attend in order to provide a record crowd to greet the new officers. He says: "Broad minded engineers are realizing more and more the necessity of studying the science of modern business. Photo-engraving is of interest not only from the technical side, but also on account of its extensive use in the present-day advertising, necessary for reaching broader markets and maintaining large scale production."

Alumni Notes

The following information about DOUGLAS B. BAKER '15, Course VI, has been received by the Alumni Editor. Captain Baker was slightly wounded on July 15, 1918, when serving with his regiment—30th U. S. Infantry—at the Battle of the Marne. On October 1 he returned to active duty with the 30th, and was with them in the Argonne fighting.

For extraordinary heroism in action October 9-15, 1918, Captain Baker was awarded the Distinguished Service Cross. His citation from the Boston Globe of March 7, 1919, reads:

"For extraordinary heroism in action near Bois de Beuge and Bois de la Pultiere, October 9-15, 1918. During this period Captain Baker made several trips through heavy shell, gas and machine-gun fire, to repair broken telephone and telegraph wires, and when they could no longer be repaired, he personally carried messages through the shell-swept area. On October 15 he personally reconnoitered the Bois de la Pultiere, under heavy machine-gun and shell fire, in an endeavor to find a suitable location for his regimental post of command."

Captain Baker's home is at 115 Upham street, Melrose, Mass. He is now with the Army of Occupation.

Mrs. Emma S. Rich of Hyde Park, Mass., announces the engagement of her daughter Edith to HORATIO NELSON KEENE '17, of Hyde Park, Mass. Miss Rich, the daughter of the late Frank B. Rich, was graduated from Massachusetts Normal Art School in the class of 1918. Keene was graduated from Technology in the class of 1917, and is now a Master Engineer in the Chemical Warfare Service overseas.

Mr. and Mrs. Albert A. Keene announce the engagement of their daughter Marion Octavia of Hyde Park, Mass. to CALVIN WESSON HAWES, of Wakefield, Mass. Miss Keene is a Sophomore at Connecticut College. Hawes was graduated from Technology in the class of 1917, and is now with the American Expeditionary Forces in France.

ARTICLES FOUND

The following articles have been found by students and may be obtained by calling at the office of the Superintendent of Buildings and Power, Room 3-005

- 1 celluloid triangle
- 1 set of drawing instruments
- 1 compass
- 1 steel measure
- 8 knives
- 1 stenographer's knife
- 3 cuff links
- 1 guard for wrist watch
- 1 wrist watch
- 1 pair spectacles
- 1 case for eyeglasses
- 3 odd gloves
- 1 black silk scarf with monogram
- 6 scarfs
- 1 cap
- 1 campaign hat
- 10 note books
- Notes
- 1 Passano trigonometry
- 1 Well's Log Tables
- 2 Browning Poems
- 1 Manual of Mathematics
- "The English of Military Communication"
- 1 First Spanish Course
- 1 Differential and Integral Calculus
- "Deck and Boat Book of the U. S. N."
- 1 Wentworth's Solid Geometry
- 2 "Sous Les Armes" Morand
- "El Toro"
- "Grundzuge der Naturlehre"
- 1 Webster's Dictionary.

"LEST WE FORGET . . ."

TWENTY-FIVE YEARS AGO TODAY

"The architects of 82 are so aristocratic that they don't work at the Institute, but do their drawing at home. The miners and chemists envy them, but unfortunately the laboratories can't be transported."

"The lecture before '85 on the manufacture of wines, malt and spirituous liquors was brilliantly illustrated by samples of absolute alcohol and fusel-oil."—From THE TECH.

Alumni personals, news of class and alumni associations, and other alumni activities will be gratefully received. The prompt arrival of such information will facilitate the work of the Associate Editor in making the department as timely and complete as possible.

VISITORS IN THE PARIS BUREAU, FROM FEBRUARY 15 TO MARCH 5.

February 15, 1919.

Mark H. Stein '18, Charles H. Wilkins '14, S. M. Gunn '05, Leonard Stone '16, James E. Wallis '17, Richard W. Logan '17, L. Noyes '17, M. W. Pettibone '18, C. W. Hule '15.

February 16, 1919.

A. M. Gowing '15.

February 17, 1919.

A. L. Shaw '09, S. M. Spaulding '16, Fenton G. Elwell '19, Paul H. Buxton '16, Paul J. Franklin '13.

February 18, 1919.

F. C. Bryant '16, James L. Ricketts '18, John M. DeBell '17, Ralph H. Jones '14.

February 19, 1919.

Walter L. Medding '17, Albert Helmes '16, E. N. Winslow '18.

February 20, 1919.

H. L. Nickerson '13, Robert W. Scott '19, Thomas K. Meloy '17, E. P. Brooks '17.

February 21, 1919.

Leon H. A. Weaver '19, S. C. Dunning '17, J. A. Rockwell '96, Paul A. De Mars '17.

February 22, 1919.

Volant V. Ballard '13, David L. Sutherland '12, D. A. Reed '18, K. M. Cunningham '19.

February 23, 1919.

George R. White '18, Kirkland Day, '17, Garlan Lufkin '18.

February 24, 1919.

Robert M. Allen '16, J. R. Kelly '17.

February 25, 1919.

J. W. Barker '16, Robert Miskowsky '18, Paul H. Duff '16, James F. Norris.

February 26, 1919.

H. N. Calver '14, Chester L. Kingsbury '18, H. W. Brown '15, P. L. Small '15, Paul H. Buxton '16, Ralph H. Gilbert '19.

February 27, 1919.

Harold H. Gould '04, Van Court Warren '10, Thomas K. Meloy '17.

February 28, 1919.

Henry P. Thomas '16, E. P. Brooks '17, Charles W. Lippitt '18, R. B. Catton '13, L. N. Wilson '16.

March 1, 1919.

E. C. Matthews '17, Winthrop Swain '16, P. L. Small '15, H. M. Baxter '17, Ralph H. Gilbert '19, Robert H. Scannell '17, Irving T. Thornton '17, K. M. Cunningham '19.

March 2, 1919.

E. V. Holden '18, L. Whipple '04, A. Kurbur '17, E. E. Polley '15, Gardner E. Johnson '18.

March 3, 1919.

Henry Pinkerton '18, W. B. Baker '15, B. C. Curtis '17, Franklin H. Wells '18, Mark H. Stein '18, E. C. Bomar '18.

March 4, 1919.

Neal E. Tourtelotte '17, Charles F. Barnard '17.

March 5, 1919.

Thomas J. Lough '13, I. R. Pray '11, Henry S. Derby '19.

COLLEGE NOTES

DARTMOUTH—C. H. ("Jeff") Tesreau, who was formerly a member of the New York Giants, has been secured to coach the Dartmouth baseball team for the coming season. Tesreau first attracted attention by his playing for the Rochester team and he was later sold to the New York Nationals with whom he remained for eight seasons. He was rated as one of the best pitchers on the team, as well as in the National League by his brilliant playing in several world series. During the past summer he was identified with the Bethlehem Steel League in Pennsylvania.

PRINCETON—Princeton and Yale have recently asked Columbia to join them in a triangular race over the Housatonic course of May 3. Princeton and Yale have previously agreed on races for both varsity and freshmen and it is hoped that Columbia will send both crews also so that the freshman will have their first race in a triangular contest on the Housatonic.

NORTHWESTERN—Peace reigns again. The turbulent waters have been stilled. So believe the students and faculty at Northwestern University since the rebellious freshmen and sophomores have settled down in their prescribed course in Military Science and Tactics with such diligence as to counterbalance the mutiny of several weeks ago, when more than 100 students decided they would not be compelled to take military training with their college courses. Resolutions have been passed and the men are back in the ranks. The faculty believe that now the male students will fully justify the confidence placed in them. More than 300 men are now enrolled in the R. O. T. C. and plans for a permanent military unit are being made.

HARVARD—The faculty of Harvard University has lowered the requirements for the graduation of all men who have been engaged in war work to any kind. It has just been announced that the faculty and the Board of Overseers, after a joint consideration of the matter, have decided to award the degree of A.B. and S.B. honoris causa, to any man returning from war work upon his completing three-fourths the normal requirements for a degree.

PARIS BUREAU DINES

(Continued from page 1)

Promotions received by Institute men in France have been recently announced by the bureau. Sergeant Charles J. Lawson '20, recently received his commission as Second Lieutenant. Second Lieutenant E. P. Brooks '17, and Second Lieutenant Robert H. Scannell '17, have received their first lieutenantancy. Major Dugald C. Jackson, head of the Electric Course at the Institute has been recently promoted to the rank of Lieutenant Colonel. Henry L. Morse '99 has recently received his commission as Colonel.

The following men have now received opportunity to study at the French Universities, several have already arrived and registered in the Paris Bureau. The following are among the men:

Lieutenant H. Whittemore Brown '13 is assigned to the Ecole Polytechnique des Ponts et Chaussées.

Lieutenant Phillip L. Small '15 and Lieutenant William D. Foster '11 are assigned to the Headquarters Educational Commission in Paris. Lieutenant Foster is Adjutant, and Lieutenant Small is preparing a course of interior decoration. Lieutenant Chas. F. Cellarius '16 is also assigned to the Headquarters Educational Commission.


Professor E. B. Homer, is at the Junior College which has just been established at Baune.

Corporal Ralph H. Gilbert '19, Chester L. Kingsbury '18, Captain Thomas K. Meloy '17 are assigned to the Sorbonne.

Corporal Henry P. Thomas '16, is passing through Paris to go to the Oxford University in London.

The next Technology dinner will be held at an old restaurant which has been closed for two years in the Latin Quarter. It was reopened a few months ago. This restaurant is called "Restaurant Procope"; it has a very long history. It is a restaurant which was frequented by men of letters as Jean Jacques Rousseau, Voltaire, Robespierre and many others.

The largest selling quality pencil in the world



VENUS PENCILS

17 black degrees and 3 copying

FREE

Trials samples of VENUS pencils sent free on request.

American Lead Pencil Co.
215 Fifth Ave., Dept. 26 N. Y.

Of all stationers and stores throughout the world.

SIMPLEX WIRES AND CABLES



Used and recommended

SINCE 1885

by discriminating architects and contractors

SIMPLEX WIRE & CABLE CO.

MANUFACTURERS
201 DEVONSHIRE ST. BOSTON
CHICAGO SAN FRANCISCO


Robert A. Boit & Co.
40 Kilby Street
Boston
INSURANCE
OF
ALL KINDS




"OKEH"
the new
ARROW
FORM-FIT
COLLAR
25 CENTS EACH
CLUETT, PEABODY & Co. Inc. Makers

NOTMAN
4 Park St., Boston 1286 Massachusetts Ave., Cambridge
Official Photographer to Technology and Harvard
—Special Rates to Technology Men—

BACK BAY NATIONAL BANK
109 MASSACHUSETTS AVE.
All Accounts Receive Personal Interest
Savings Accounts Receive Inaddition
4 1/2%



TYPEWRITERS RENTED
Visibles 3 months \$7.50 and up; rebuilt typewriters \$18 to \$75.
AMERICAN WRITING MACHINE CO.,
119 Franklin St. Tel. Main 166



DIXON'S ELDERADO
the master drawing pencil
It takes eight months and more than half a hundred processes to make an Eldorado. But my, what a pencil!
17 degrees at all stationers
DIXON

The
BEST CLOTHING SERVICE FOR Tech Men
Clothes for all occasions
Ready to put on or made to order
FINE FURNISHING GOODS
Stiff and Soft Stetson Hats
For the Stetson Special
We are Sole Boston Agents
Macullar Parker Company
400 Washington Street, Boston
Established 1849 Incorporated 1895

YALE CAPTURES MEET

(Continued from page 1)

Plunge for Distance—Tie between H. F. Lefurgy, Rutgers, and E. J. Elderkin, Pennsylvania, with 70ft. each; S. C. Badger, Yale third, with 69ft.
800-Foot Relay Race (freshmen)—Won by Yale (Neville, Cook, Townsend and Schaefer; Columbia (Chrystal, Bernard, Eberhardt and Polk), second; Technology (Fish, Rudderham, Rand and Bidell), third. Time—2m, 38 3-5s.
Fancy Dive—Won by B. O. Benjamin, Yale; Andrew Anderson, Princeton, second; C. S. Spear, Wesleyan, third.
100-yard Swim—Won by C. H. Georgi, Princeton; J. M. Hincks, Yale second; H. D. Johnson, Princeton, third. Time—1m.

ADDITIONS TO THE CITED LIST

March 8-March 20, 1919.

Douglas B. Baker '15, Captain. Awarded the Distinguished Service Cross for extraordinary heroism in action near Bois de Beuge and Bois de la Pultiere, Oct. 9-15, 1918.
S. V. Chamberlain '18, -Private. Decorated with the Croix de Guerre on December 25, 1918, for devotion and courage in evacuating wounded from advanced postes de secours, July 15-17, 1918.
Dwight Dickinson, Jr. '08, Lieutenant. Awarded the Distinguished Service Cross (Jan. 3, 1919), and the Croix de Guerre for engagement at Mont Blanc Champagne.

AUTOMOBILES REBUILT

Overhauling and Repairing
High Grade Machine and Experimental Work
—AUTO PARTS MADE—
E. S. CLARK
Tel. B. B. 8533 293 Northampton St.

LOUIS FRENCH RESTAURANT

Rear Tremont Th Off Avery St.
TABLE D'HOTE DINNER, 1 25
OUR REGULAR LUNCH, 75c.
—Both unsurpassed in Boston—
Our A La Carte Menu includes the very best of everything in the market.
Special facilities for Banquets and Parties
COMPLETE WINE LIST
Music—Soloists. Tel. Beach 1313.

NEW DRESS SUITS TO LET
Special prices on slightly used Dress Suits
Read & White Tailors
111 Summer St. Boston.



ARMSTRONG TRANSFER CO.
BAGGAGE and AUTOMOBILE SERVICE AT ALL RAILROAD STATIONS

Purchase your railroad ticket in advance and let us check your baggage to destination thereby saving you the trouble of rechecking at the station.

Telephone baggage orders Beach 7400 and our truck will call. Prompt attention guaranteed.

BROOKLINE OFFICE
1296 Beacon St. Brookline
Telephone—Brookline 3020
GENERAL OFFICE
271 Albany St. Boston
Telephone—Beach 7400

YOUNG MEN'S HATS, COATS, CAPS AND GLOVES

Collins & Fairbanks Co.
383 WASHINGTON ST.
BOSTON

There's Nothing Better

Made in our own shops, by the highest type of skilled labor, from materials that have to stand up in accordance with the strict Morse Standard we know

Morse-made Suits and Overcoats \$20 to \$75

Represent an unequalled value backed by sixty-six years of untarnished reputation.

Adams Square **Leopold Morse Co.** Boston, Mass.



Sportsmen—Athletes—Everybody!
You will find
Bevo
the all-year-round soft drink, both healthful and appetizing to train and gain on.
Bevo is a splendid beverage to satisfy that extravagant thirst that strenuous exercise is bound to bring. Satisfies it without any of that after-feeling of fullness that often comes with water drinking.
Bevo is Sold Everywhere
Order by the case from your grocer, druggist or dealer.
Manufactured and bottled exclusively by **Anheuser-Busch St. Louis**



THE SPIRIT OF SPRING STYLES

Sack Suits in two or three button models, single breasted with peaked lapel, a blunt peak or round notch lapel formation.

Patch pocketed in some instances—with the patch matched and affixed with as much importance and accuracy as an embossed monogram on your stationery. Every undeniable earmark of finest Custom work, but ready-to-wear.

\$40 to \$65

Scott & Company
LIMITED

340 Washington Street, Boston

CHEMISTRY FELLOWSHIPS

(Continued from page 1)

The holder of this fellowship will be admitted to the work of the department in rubber chemistry and will receive every opportunity and encouragement toward independent research in this subject. Applications must be received before April 16 and addressed to H. E. Simmonds, Director Knight Chemistry Laboratory, Municipal University of Akron, Akron, Ohio.

The Department of Chemistry of Princeton want to announce that there are a number of instructorships and assistantships in the department filled by yearly appointment. For the coming year there will probably be appointed two new instructors in General Inorganic Chemistry, one in Organic Chemistry, an assistant in Physical Chemistry and also one in Qualitative Analysis.

At present the following regulation governs the appointment, tenure and salary of instructors in Princeton University.

1. every new instructor is engaged for one year only, at a salary ranging from \$1000 to \$1200; 2. after the first year an instructor may be appointed for a period not to exceed three years; 3. during the first of these three years he is to receive \$1200, then \$1300, and the last year \$1400; 4. that in very exceptional cases an instructor may be retained for an additional year at \$1400, but that no one may be in service as an instructor in the University longer than the limit of five years.

It is desirable that candidates for these instructorships have completed or practically completed the work for the Doctor's degree. Preference will be given to candidates who have had some experience in teaching and who intend to follow teaching as a profession.

NAVAL RESERVISTS MAY BE DISCHARGED TO JOIN R. O. T. C.

The office of the Judge Advocate General has decided that it is not practicable to have the Naval Reservists on inactive duty enrolled as members of the Reserve Officers Training Corps. These reservists now on inactive duty who are attending college and desire to join the R. O. T. C. may be discharged from the Naval Reserve Force without refund, by special order of the Secretary of the Navy. Before being discharged, they must furnish the Commandant of the District concerned with sufficient information to insure him that they are attending a college which has a Reserve Officers Training Corps, and that they will be permitted to join this if discharged from the Navy. This communication was signed by Commander G. G. Mitchel of the U. S. Navy.

Johnson's Orchestra

Formerly of the Colonial

Colored musicians and entertainers furnished for all occasions.

Walter Johnson, Mgr.,

181 Tremont St., Boston

Room 36-37 Beach 1176

MISS A. I. DARLING

Typewriting - - Multigraphing

Wide experience in scientific work of all kinds. Theses, reports, notes, etc. Foreign languages. French a specialty. Dictation taken directly at machine. Accurate and neat work. Reasonable prices. Rapid Operator.

1338 Massachusetts Avenue, Cambridge

Rooms 7 & 8

HARVARD SQUARE

Telephone Cambridge 894-W



FINE STATIONERY, ENGRAVING
and PRINTING, WEDDING,
FRATERNITY INVITATIONS,
RECEPTION and VISITING CARDS

STUDENTS SUPPLIES
and LOOSE LEAF DEVICES

57-61 Franklin St.



STONE & WEBSTER

FINANCE public utility developments.

BUY AND SELL securities.

DESIGN steam power stations, hydro-electric developments, transmission lines, city and interurban railways, gas plants, industrial plants and buildings.

CONSTRUCT either from our own designs or from designs of other engineers or architects.

REPORT on public utility properties, proposed extensions or new projects.

MANAGE railway, light, power and gas companies.

NEW YORK BOSTON CHICAGO

Mark-Down Sale MEN'S SUITS AND OVERCOATS

Reduced to

\$18.50, \$22.50, \$27.50

Formerly \$20.00 to \$40.00

Also Reductions on MEN'S FURNISHINGS

Browning, King & Company

407-411 Washington Street, Boston

By and For

MEN WITH A PURPOSE

THE things that **ABERTHAW** builds are not put up for play. Factories, storehouses, power plants, shipyards,—each piece of this Company's work constitutes a producing element in the wealth of the Nation.

Each must be designed to fulfill a need completely foreseen. Each must be constructed so ably, so honestly, so economically that, when the finished plant begins to operate, its output will be burdened with no unnecessary costs due to the builder's mistakes.

Meeting these requirements is serious business for serious men; men who are trained to their task, who value reputation above immediate profits, and among whom honesty is not merely a company policy but a personal code.

The growth of **ABERTHAW** during a remarkable quarter century is due to the steadfast effort of such men. Today the Company is always glad to make place in its expanding organization for others of similar promise.

Correspondence from graduating engineers who can meet the specification is invited.

Aberthaw Construction Company

CONTRACTING ENGINEERS

27 School Street

Boston, Mass.

Tavern Lunch TECH BOYS

Inquire from us about our new
plan for Tech Students only

NEW ENGLAND STRUCTURAL CO.

INDUSTRIAL ENGINEERS

and

SPECIALISTS IN STEEL CONSTRUCTION

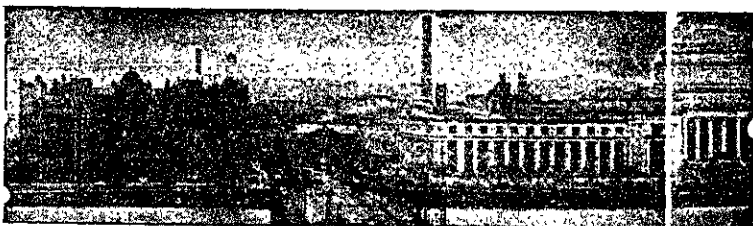
Complete Contracts for Power Plants, Factories,
and all Industrial Enterprises

Works:

EVERETT, MASS.

Sales and Engineering Office:

110 STATE ST., BOSTON, MASS.



Riverbank Court Hotel

Located Opposite Institute of Technology

CAFE WITH TABLE D'HOTEL AND A LA CARTE SERVICE

SPECIAL DINNER AT 5.45—\$1.00

Menus Submitted for Banquets Dutch Room for Dances and Assemblies

Dinner Dances from 6.30 to 11.00

Telephone 2680 Cambridge

MURAD

THE TURKISH CIGARETTE

You can't do a friend
a greater favor in the
smoking line than to say:

**"Smoke a
MURAD"**

And if your friend thinks he has
to pay 30 cents for cigarettes,
hand him one of your **MURADS**
— and say:

*Judge for yourself—
Compare "Murad"
with any 30 Cent
Cigarette*

Smorgyros Makers of the Highest Grade Turkish
and Egyptian Cigarettes in the World
A Corporation

REMEMBER—
This claim is endorsed
by men of the Army,
men of the Navy,
men Everywhere.

*Everywhere
Why?*

20
CENTS